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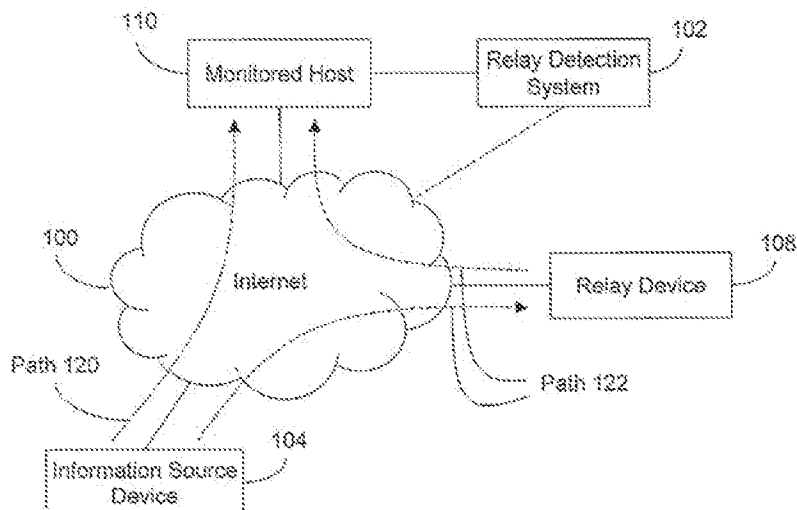
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(54) Title: DETECTING RELAYED COMMUNICATIONS



(57) Abstract: Methods, apparatus and computer readable code for determining whether a potential relay device is a relay device are provided herein. In some embodiments, first and second information elements are received from a potential relay device, which is an original source of the second information element. In order to determine whether the potential relay device is a relay device, it is determined whether a feature of an original source of the first information element and a feature of the potential relay device are features unlikely to relate to a single device, wherein a positive result of the determining is indicative that the potential relay device is a relay device. In an exemplary embodiment, a disclosed system includes an information element receiver and a feature incompatibility analyzer. Optionally, the disclosed system includes a feature discovery module, a parameter obtainer and a feature database.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL05/00033

A. CLASSIFICATION OF SUBJECT MATTER

IPC: G06F 15/173(2006.01)

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, ACM, IEEE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A, P	US 6,832,253 B1 (Auerbach) 14 December 2004 (14.12.2004), column 11, lines 39-60	1-50
A	US 20020112039 A1 (Ullman) 15 August 2002 (15.08.2002), paragraphs 0141-0142	1-50
A	US 2003/0026268 A1 (Navas) 06 February 2003 (06.02.2003), paragraph 0083-0123	1-50
A, P	US 2004/0052257 A1 (ABDO et al) 18 March 2004 (18.03.2004), paragraph 0031-2,	1-50
A	HODES, TODD et al. An Architecture for Secure Wide-Area Service Discovery. Wireless Networks, May 2002, Vol 8, Issue 3, pages 226-23.	1-50
A	AREKKO, JARI et al. Securing IPv6 Neighbor and Router Discovery. Proceedings of the 3rd ACM workshop on Wireless Security, 2002, pages 77-86.	1-50

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☐ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed	"E" document member of the same patent family

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